## We claim:

- 1. A torsion bar that can be installed in a seat belt retractor as an energy absorber, comprising a torsion bar and a gear integral therewith, wherein the gear is created by submitting the torsion bar to a rolling operation.
- 2. The torsion bar according to claim 1, wherein the gear is arranged at an end of the torsion bar.
- 3. The torsion bar according to claim 1, wherein the gear is arranged near an end of the torsion bar.
- 4. The torsion bar according to claim 1, wherein a flange integral with the torsion bar is located at an end of the torsion bar with a circumferential groove in the bar disposed between the flange and the gear.
- 5. The torsion bar according to claim 3, wherein a flange integral with the torsion bar is located at an end of the torsion bar with a circumferential groove in the bar disposed between the flange and the gear.
- 6. The torsion bar according to claim 4, wherein the circumferential groove is created by a rolling operation.
- 7. The torsion bar according to claim 5, wherein the circumferential groove is created by a rolling operation.
- 8. The torsion bar according to claim 4, wherein the circumferential groove extends into the bar material more deeply in a radial direction than a circumferential periphery of the adjacent gear.
- 9. The torsion bar according to claim 5, wherein the circumferential groove extends into the bar material more deeply in a radial direction than a circumferential periphery of the adjacent gear.

- 10. The torsion bar according to claim 6, wherein the circumferential groove extends into the bar material more deeply in a radial direction than a circumferential periphery of the adjacent gear.
- 11. The torsion bar according to claim 7, wherein the circumferential groove extends into the bar material more deeply in a radial direction than a circumferential periphery of the adjacent gear.
- 12. The torsion bar according to claim 1, further comprising a second gear integral with the torsion bar located at another end of the torsion bar.
- 13. The torsion bar according to claim 4, further comprising a second gear integral with the torsion bar located at another end of the torsion bar.
- 14. The torsion bar according to claim 5, further comprising a second gear integral with the torsion bar located at another end of the torsion bar.
- 15. The torsion bar according to claim 6, further comprising a second gear integral with the torsion bar located at another end of the torsion bar.
- 16. The torsion bar according to claim 7, further comprising a second gear integral with the torsion bar located at another end of the torsion bar.
- 17. The torsion bar according to claim 12, wherein the second gear is created by submitting the torsion bar to a rolling operation